

ABSTRACT

The present invention is to provide a pneumatic tire in which a belt angle is optimized to improve the transversal rigidity of a tire while keeping the circumferential rigidity, thereby exerting a higher cornering performance and straight-running stability even when a side force is applied in the high-speed running.

A tire 1 has a pair of bead portions 2; a pair of sidewall portions 3 extending outward from the bead portion 2 in the tire's radial direction; a tread portion 4 extending between the both sidewall portions 3; and a carcass 6 having two plies 5a, 5b extending toroidally over the bead portions 2, sidewall portions 3 and tread portion 4. The tire 1 also has a main belt 9 interposed between a crown portion 7 of the carcass 6 and the tread portion 4. The main belt 9 has two belt layers 8a, 8b formed by rubber-coating reinforcing elements 10a, 10b extending slantly with respect to the tire's circumferential direction. The belt layers 8a, 8b constituting the main belt 9 are so stacked that reinforcing elements 10a, 10b extend slantly in the same direction with respect to the tire's circumferential direction.